Amendments to the Claims

The listing of claims presented below replaces all prior versions, and listings, of claims in the application.

Listing of claims:

1. (cancelled)

2. (cancelled)

3. (currently amended) An air supply unit for providing conditioned air to a patient lying in a bed, comprising: a booster fan, arranged to force air through a guiding slot diffuser for guiding an airstream in a certain direction, said diffuser having two slots, and one area of perforated sheet, being arranged at an outlet side of said diffuser, where the area of perforated sheet is arranged in close proximity of the slots such that an airstream of air passing through both of the perforated sheet and the diffuser slots assumes a direction as controlled by the direction of the diffuser slots, and the diffuser slots form an angle α to a base plane of said supply unit such that air is guided obliquely down towards the patient, and wherein the at least two slots of the slot diffuser are arranged proximate to each other, and two main diffusers are provided and are arranged with the two main diffusers separately and opposingly disposed at two sides of the proximately arranged slot diffusers, and wherein each slot has a length, a width and a depth, wherein the depth is substantially larger than the width, and wherein the depth is ten to twenty times larger than the width and, wherein the width is approximately 2 mm.

4. (cancelled)

5. (cancelled)

6. (previously presented) An air supply unit as recited in claim 3, wherein said base plane is arranged horizontal.

7. (previously presented) An air supply unit as recited in claim 6, wherein said angle α is between 5 and 15 degrees.

8. (previously presented) An air supply unit as recited in claim 7, wherein said diffuser slots are adjustable sideways to enable setting the direction of the airstream.

9. (cancelled)

10. (cancelled)

11. (cancelled)

12. (previously presented) An air supply unit as recited in claim 8, wherein an angle (GAMMA) is formed between the depth axes of each slot, and the angle (GAMMA) is acute.

13. (previously presented) An air supply unit as recited in claim 12, wherein the angle (GAMMA) between the depth axes is arranged to be adjustable.

14. (previously presented) An air supply unit as recited in claim 12, wherein the angle (GAMMA) between the depth axes is arranged to be 10 degrees.

15. (currently amended) An air supply unit as recited in claim 3 [[4]], further comprising light tubes and corresponding reflectors for providing adequate lighting to a bed area of the room.

16. (cancelled)

17. (cancelled)

18. (cancelled)

19. (cancelled)

20. (cancelled)

21. (cancelled)

22. (cancelled)

23. (currently amended) A method for supplying fresh air to a patient lying in a bed in a room comprising the following steps:

providing a first, relatively fast flow of air, relatively small in volume;

providing a second, relatively slow flow of air, relatively large in volume, and adjacent to the first flow of air such that said first flow of air co-ejects air from the second flow;

providing a low speed large volume suction for evacuating the supplied air; [[and]]

providing the first flow of air by forcing air through two elongated slots having converging axes of depth;

providing the first flow of air by forcing air parallel to a vertical plane parallel to a side of said bed;

providing the second flow of air by forcing air through a perforated sheet of metal or similar material having a hole content of approximately 30 %; and

providing the second flow of air with an air speed of less than 5 % of the air speed of the first flow and with a volume flow of more than double the volume flow of the first flow.

24. (cancelled)

25. (cancelled)